

ANNUAL REPORT  
TO THE  
RURAL DISTRICT COUNCIL  
OF  
GLANFORD BRIGG,  
FOR THE  
YEAR ENDING DECEMBER 31ST, 1904,  
BY  
GODFREY GOODMAN,  
MEDICAL OFFICER OF HEALTH.

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BRIGG:—  
JACKSON & SONS, PRINTERS AND STATIONERS, MARKET PLACE.





TO THE  
CHAIRMAN AND MEMBERS  
OF THE  
RURAL DISTRICT COUNCIL  
OF THE  
GLANFORD BRIGG UNION.

JANUARY, 1905.

LADIES AND GENTLEMEN,

I beg to present my report for the year ending December 31st, 1904.

The number of births registered in the whole District during the year was 677. This is 33 above last year's total, and 7 above the average for the District. Births

The birth-rate for the whole District was 28 per 1000. This though lower than it ought to be, is the average birth-rate for the District, calculated on the returns of the last ten years. Birth Rate for  
Whole District

The births were distributed as follow—

	<i>Males.</i>	<i>Females.</i>	<i>Total.</i>
Brigg Sub-District ...	103	110	213
Barton Sub-District ...	96	91	187
Winterton Sub-District ..	139	138	277
	<hr/>	<hr/>	<hr/>
	338	339	677

Last year the number of male children born exceeded that of the female by 36. This year they are more equally divided.



The birth-rate for the Sub-Districts was as follows—

Brigg Sub-District	...	26.1 per 1000
Barton Sub-District	...	21.8 „
Winterton Sub-District		36.8 „

Birth-Rate for  
Sub-Districts.

The birth-rate for the Brigg Sub-District, although still much below the average, is higher than it was last year.

The rate in the Barton Sub-District has been gradually falling for some years, and now stands at the extremely low figure of 21.8 per 1000.

In the Winterton Sub-District we find a remarkable difference. Here the birth-rate last year was 33.1 per 1000. This year it has risen to 36.8 per 1000. It may be taken as a general rule, that a low birth-rate indicates a low marriage-rate. A low marriage-rate points to a want of prosperity in the District where it occurs. A high birth-rate indicates the reverse.

The return of births with which I am furnished, contains only the totals for each Sub-District. I am, therefore, unable to state the actual number of births which take place in each separate village. I have, however, no doubt that the increase takes place in Ashby, and such other portions of the Winterton Sub-District as are inhabited by the iron-stone miners, where the wages received are higher than in agricultural villages. I regret that I am not supplied with a return of the marriages which take place in the District. Such a return would be a great help in making out the statistics of the District.

In the following table will be found a classification of births in the whole and each of the Sub-Districts from 1895 to the end of the present year.

	BRIGG SUB-DISTRICT.			BARTON SUB-DISTRICT.			WINTERTON SUB-DISTRICT.			WHOLE DISTRICT.		
	M.	F.	Total.	M.	F.	Total.	M.	F.	Total.	M.	F.	Total.
1895	132	130	262	132	125	257	129	113	242	393	368	761
1896	111	104	215	122	127	249	100	123	223	333	354	687
1897	106	94	200	127	119	246	98	98	196	331	311	642
1898	120	103	223	118	104	222	144	118	262	382	325	707
1899	104	100	204	130	115	245	114	99	213	348	314	662
1900	99	92	191	113	100	213	113	100	213	325	292	617
1901	97	97	194	121	101	222	121	102	223	339	300	639
1902	136	103	239	100	116	216	126	91	217	372	310	682
1903	100	86	186	104	104	208	136	114	250	340	304	644
1904	103	110	213	96	91	187	139	138	277	338	339	677
	1108	1019	2127	1163	1102	2265	1220	1096	2316	3501	3216	6717



The number of deaths registered in the whole of the District during the year was 313. Males 161, Females 152. Deaths in  
Whole District.

The death-rate was 13·1 per 1000. This is a little higher than last year's, but is still very low. Death Rate.

The deaths were distributed as follow—

	<i>Males.</i>		<i>Females.</i>		<i>Total.</i>	
Brigg Sub-District	...	57	...	50	...	107
Barton Sub-District	...	50	...	53	...	103
Winterton Sub-District	...	54	...	49	...	103
		<hr/> 161		<hr/> 152		<hr/> 313

The death-rate for each Sub-District was as follows—

Brigg Sub-District	...	13·8	<span style="float: right;">Death-rate of Sub-Districts.</span>
Barton Sub-District	...	12·0	
Winterton Sub-District	...	13·7	

The following table contains a classification of the deaths which have occurred in the District from 1895 to the end of the present year.

	BRIGG SUB-DISTRICT.			BARTON SUB-DISTRICT.			WINTERTON SUB-DISTRICT.			WHOLE DISTRICT.		
	<i>M.</i>	<i>F.</i>	<i>Total.</i>	<i>M.</i>	<i>F.</i>	<i>Total.</i>	<i>M.</i>	<i>F.</i>	<i>Total.</i>	<i>M.</i>	<i>F.</i>	<i>Total.</i>
1895	60	57	117	55	61	116	62	55	117	177	173	350
1896	50	44	94	66	62	128	50	43	93	166	149	315
1897	50	48	98	69	56	125	50	60	110	169	164	333
1898	73	77	150	66	51	117	65	65	130	204	193	397
1899	46	45	91	67	49	116	42	50	92	155	144	299
1900	61	66	127	57	74	131	70	55	125	188	195	383
1901	41	55	96	57	54	111	49	51	100	147	160	307
1902	57	44	101	57	65	122	50	58	108	164	167	331
1903	45	43	88	60	59	119	52	44	96	157	146	303
1904	57	50	107	50	53	103	54	49	103	161	152	313
	<hr/> 540	<hr/> 529	<hr/> 1069	<hr/> 604	<hr/> 584	<hr/> 1188	<hr/> 544	<hr/> 530	<hr/> 1074	<hr/> 1688	<hr/> 1643	<hr/> 3331

The number of deaths which occurred in infants under one year was 79. This is 4 below the average for the District. Of these 49 were males and 30 females. Last year's figures were 53 males and 20 females. This shows that during the last two years the death of male infants under one year was more than double that of the female. This is a serious male mortality. Infant Mortality

The death-rate was 117 per 1000. The average rate for the District is 122 per 1000.







The following table gives the principal causes of these deaths as taken from the returns supplied to me.

Bronchitis	...	...	...	11
Pneumonia	...	...	...	8
Diarrhœa	...	...	...	11
Convulsions	...	...	...	12
Marasmus (Wasting)	...	...	...	8
Premature Birth	...	...	...	13
Measles	...	...	...	1
Whooping Cough	...	...	...	2
Heart Disease	...	...	...	1
Influenza	...	...	...	1
All other Causes	...	...	...	11
				<hr/> 79

Of these deaths 23 occurred in the Brigg Sub-District, 22 in the Barton, and 34 in the Winterton Sub-Districts.

#### Diseases under the Notification Act.

The total number of cases notified under the Infectious Diseases Notification Act was 154, made up as follows—

Scarlet Fever	...	...	...	92
Diphtheria	...	...	...	43
Typhoid Fever	...	...	...	4
Erysipelas	...	...	...	14
Puerperal Fever	...	...	...	1
				<hr/> 154

With the exception of the year 1899, when the number of cases notified was 131, this is the lowest since the Notification Act was adopted (1891).

The number of cases of Scarlet Fever notified was 92 as Scarlet Fever. against 183 last year. They were distributed as follow—

Brigg Sub-District	...	...	...	3
Barton Sub-District	...	...	...	67
Winterton Sub-District	...	...	...	22

The Brigg Sub-District has been remarkably free from this disease, only 3 cases having been notified during the year. The Barton Sub-District accounts for 67 cases, and the Winterton Sub-District for 22. In the Winterton Sub-District, most of the cases occurred at Ashby. In the Barton Sub-District, the majority occurred at Barrow, New Holland, Goxhill, and neighbourhood.



The cases were mostly of a mild type. Only 1 death occurred from the disease.

The number of cases notified as Diphtheria was 43 as against Diphtheria. 57 last year. They were distributed as follow—

Brigg Sub-District	...	...	...	6
Barton Sub-District	...	...	...	24
Winterton Sub-District	...	...	...	13

In this disease again the Brigg Sub-District shows the best record, and the Barton Sub-District the worst. The majority of the cases in the Brigg Sub-District occurred at Kirton. In the Barton Sub-District, 14 cases occurred at Ferriby. These cases were part of the outbreak which occurred at the end of last year, and continued into January and February of the present year. New Holland and Barrow furnished nearly all the remaining cases. In the Winterton Sub-District, Alkborough, Ashby, Conesby, and Crosby. Three deaths from the disease were recorded.

Four cases of Typhoid were notified as against 24 last year. Typhoid Fever. They were distributed as follow—

Brigg Sub-District	...	...	...	1
Barton Sub-District	...	...	...	2
Winterton Sub-District	...	...	...	1

No death was recorded from the disease.

During the year there were only two important outbreaks of Measles. measles in the District. These occurred at Barnetby and East Halton. At Barnetby on May 31st, I advised that the schools, which were closed for the holidays, remain closed until June 15th. On June 15th, as the village was not altogether free from the disease, I thought it expedient to extend the closure to June 20th.

On October 31st, owing to an extensive outbreak of measles at East Halton, I advised that the schools be closed for 4 weeks.

There were 4 deaths from this disease.

The only serious outbreak of Whooping Cough in the District Whooping Cough occurred at Cadney. On September 19th, I advised that the schools, (which were closed for the holidays), remain closed for another fortnight.

There were 2 deaths from this disease.

Fourteen cases of Erysipelas were notified.

There was 1 death from the disease.

Erysipelas.



There was no serious outbreak of Epidemic Influenza during the year. Influenza.

Five deaths have been returned as due to this disease.

At West Halton, owing to an extensive outbreak of Chicken Pox, the schools were closed from June 2nd to June 27th. Chicken Pox

The number of deaths from Phthisis was 24, 14 males and 10 females. Last year's total was 33. They were distributed as follow— Phthisis.

Brigg Sub-District	...	...	...	9
Barton Sub-District	...	...	...	9
Winterton Sub-District	...	...	...	6

There were 18 deaths from Cancer, 3 males and 15 females. 7 in the Brigg Sub-District, 7 in the Barton, and 4 in the Brigg Sub-Districts. Cancer.

There were 12 accidental deaths recorded, 9 males and 3 females. 3 occurred in the Brigg Sub-District, 2 in the Barton, and 7 in the Winterton Sub-Districts. The cause in each, taken from the Coroner's Certificate was as follow— Accidents.

Male	15	Fracture of skull from a fall.
„	70	Drowned.
„	65	Crushed against a wall by a cow.
„	51	Horse falling on him.
„	63	Fall from a cart.
„	11	Drinking carbolic acid.
„	15	Drowned.
„	14	Drowned,
„	23	Killed by a horse.
Female	1	Drowned in a water tank.
„	7	Burned.
„	95	A fall.

The number of deaths from Bronchitis was 21, and from Pneumonia 18. 19 of these occurred in infants under 1 year, and 11 in persons over 65. Bronchitis and  
Pneumonia.

#### The Health of the District.

The general health of the whole District during the past year has been most satisfactory. The year has been one of the healthiest on record.

The death-rate was low, 13.1 per 1000. The average death-rate for the District is 14 per 1000.





The number of cases notified under the Infectious Diseases Notification Act was 154. This is 123 below last year's total, and 46 below the average number of the last 10 years. The average is 200. The number of cases of Scarlet Fever notified was 92, just half last year's total. With very few exceptions, all these cases were of a mild type. A fair proportion of them escaped detection in the early stage, and were only notified when they were found to be peeling. The one death recorded from this disease was not directly due to the Fever, but to an Abscess of the ear, which occurred some weeks after.

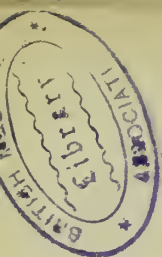
Four cases of Typhoid Fever were notified as against 24 last year. There was no death recorded from the disease. 43 cases of Diphtheria were notified; last year's total was 57. The Brigg Sub-District was remarkably free from dangerous infectious diseases only 17 cases having been notified from this District. The Barton Sub-District heads the list with 100 cases. In the Winterton Sub-District 37 cases occurred. There was no serious outbreak of Influenza in the District. From conversations I have with medical gentlemen in the District, I find that the amount of ordinary illness has been much below the average.

#### **Sanitary Improvements, Public Sewers, &c.**

Alone or in company with Mr. Bainton, the Inspector, I visited and inspected a large portion of the District. At South Ferriby, in February, during an outbreak of Diphtheria, finding that the closets at the girls' school emptied into an open pit, and suspecting this to be the cause of the outbreak, I ordered the school to be closed, properly constructed boxes to be put in, and the floor to be cemented. This was done at once, and the outbreak came to an end.

At Alkborough in the same month an outbreak of Diphtheria occurred. Here I found the school closets stood over a deep pit the only ventilation from which was through the seats of the closets. This pit I was informed, used to be emptied once a year. Lately it was thought advisable to have it emptied at shorter intervals. In order to empty it, a slab in the school-yard, also used as a playground, had to be lifted. The contents were then removed from the pit. This had been done shortly before my inspection. The yard was in a filthy condition. I ordered the schools to be closed, the pit cleaned out, disinfected, and filled in, boxes or pails to be supplied, and the floors to be concreted. This was done, and as in the case of Ferriby, the outbreak came to an end.





In all the cases of Infectious Disease, where any local nuisance was found to exist, means were at once taken to abate the nuisance. (See Extracts from the Inspector's Report).

During the year new Public Sewers have been laid down in the following villages—

Ulceby	...	130 yards of 6 inch sanitary pipes.
Wootton	...	270 „ 9 „
Ashby	...	1100 „ 9 „
„	...	85 „ 12 „
„	...	400 „ 9 „ taken up and relaid.
Barrow	...	220 „ 6 „
Goxhill	...	60 „ 9 „
„	...	20 „ 6 „
Crosby	...	157 „ 12 „
„	...	60 „ 9 „

The following summary of work done during the year is taken from the reports of Mr. Bainton, Inspector of Nuisances.

#### Summary of Work done, 1904.

Public Sewers Improved	...	...	14
House Drains Improved	...	...	48
Private Water Supply Improved	...	...	6
Piggeries Improved or Removed	...	...	4
Canal Boats Inspected	...	...	8
Overcrowding dealt with	...	...	2
Other Nuisances dealt with	...	...	15
Plans Allowed	...	...	43
Water Certificates Granted	...	...	67
Prosecutions	...	...	3
Cowkeepers Registered	...	...	1
Houses closed	...	...	1
General Inspections	...	...	20
Licences to Store Petroleum	...	...	4
Clerk's Orders and Letters sent	...	...	75
Privies and Ashpits Improved or Removed	...	...	45

The table of rainfall as on all other occasions has kindly been given to me by Mr. Alfred Atkinson, C.E., of Brigg.

I am, Gentlemen,

Your obedient servant,

**GODFREY GOODMAN,**

*Medical Officer of Health to the Rural District Council.*



Table I.—For Whole District.

Year.	Population estimated to middle of each year	Births.		Deaths under 1 year of age.		Deaths at all ages. Total.	
		Number.	Rate. *	Number.	Rate per 1 000 Births Registered.	Number.	Rate. *
1894	..	...	...	...	...	...	...
1895	23821	761	31.4	95	125	350	14.7
1896	..	687	28.9	64	73	315	13.3
1897	..	642	26.9	83	127	333	14.6
1898	...	706	29.6	101	142	392	16.4
1899	23822	662	27.7	93	140	299	12.5
1900	...	617	25.9	79	128	383	16.0
1901	23823	639	26.6	72	113	307	12.9
1902	...	682	28.6	83	122	331	13.9
1903	...	644	27.0	73	112	303	12.7
Averages for years 1854-1903.	23822	670	28.0	84.8	122	335	14.0
1904	23844	677	28.0	79	117	313	13.1

\* Rates calculated per 1,000 of estimated population.

Area of District in acres (exclusive of area covered by water) 124157

Total population at all ages 23824	}	At Census of 1901.
Number of inhabited houses 5548		
Average number of persons per house 4.3		



Table II.

Names of Localities.	The whole District.				Brigg Sub-District.				Barton Sub-District.				Winterton Sub-District.			
	Population estimated to middle of each year.	Births registered.	Deaths at all ages.	Deaths under one year.	Population estimated to middle of each year.	Births registered.	Deaths at all ages.	Deaths under one year.	Population estimated to middle of each year.	Births registered.	Deaths at all ages.	Deaths under one year.	Population estimated to middle of each year.	Births registered.	Deaths at all ages.	Deaths under one year.
1894	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1895	23821	761	350	99	7728	191	127	21	8568	213	131	20	7524	213	125	38
1896	23821	687	315	64	7728	194	96	26	8568	222	111	27	7525	223	100	19
1897	23821	642	333	83	7728	239	101	22	8568	226	122	30	7425	117	108	31
1898	23821	706	392	101	7728	186	88	18	8568	208	119	23	7525	250	96	32
1899	23822	662	294	90	...	...	...	...	...	...	...	...	...	...	...	...
1900	23822	617	383	79	7728	...	...	...	...	...	...	...	...	...	...	...
1901	23823	639	307	72	7728	...	...	...	...	...	...	...	...	...	...	...
1902	23823	682	331	83	7728	...	...	...	...	...	...	...	...	...	...	...
1903	23823	644	303	73	7728	...	...	...	...	...	...	...	...	...	...	...
Averages for years 1894-1903.	23822	670	335	83	7728	202	103	22	8568	217	121	27	7525	201	107	27
1904	23824	677	313	79	7728	213	107	23	8568	187	103	22	7528	227	103	34

Deaths occurring outside the division or district among persons belonging thereto } Not ascertained. Have no means of  
Deaths occurring within the district among persons not belonging thereto ... } obtaining accurate returns.

There is no Public Institution in the District. The Union Workhouse is in the Urban District of Brigg.





Table III.—Cases of Infectious Disease notified during the year 1904.

Notifiable Disease.	Cases notified in whole district.							Total cases notified each locality.			No. of cases removed to hospital to each locality.
	At all ages.	Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 65.	65 and upwards.	Brigg Sub-District.	Barton Sub-District.	Winterton Sub-District.	
Small-pox	...	...	...	...	...	...	...	...	...	.	None.
Cholera	...	...	...	...	...	...	...	...	...	...	
Diphtheria	...	1	4	31	2	5	...	6	24	13	
Membranous croup	...	...	...	...	...	...	6	...	...	...	
Erysipelas	14	...	...	1	1	6	...	7	6	1	
Scarlet fever	92	1	18	62	5	6	...	3	67	22	
Typhus fever	...	...	...	...	...	...	...	...	...	...	
Enteric fever	4	...	...	1	2	1	...	1	2	1	
Relapsing fever	...	...	...	...	...	...	...	...	...	...	
Continued fever	...	...	...	...	...	...	...	...	...	...	
Puerperal fever	1	...	...	...	...	1	...	...	1	...	
Plague	...	...	4.	...	..	..	...	...	...	...	
Totals ...	154	2	22	95	10	19	6	17	100	37	



Table IV. – Causes of, and Ages at, Death during Year 1904.

Causes of Death.	Deaths in whole district at subjoined ages.							Deaths in localities (at all ages.)			Deaths in public institutions.
	At all ages.	Under 1.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 65.	65 and upwards.	Brigg Sub-District.	Bartou Sub-District.	Winterton Sub-District.	
Small-pox ...	...	...	...	...	...	...	...	...	...	...	No public institution in the district. The Brigg Workhouse is in Urban District.
Measles ...	4	1	2	1	...	...	...	...	...	4	
Scarlet fever ...	1	...	...	1	...	...	...	...	1	...	
Whooping cough ...	2	2	...	...	...	...	...	2	...	...	
Diphtheria and membranous croup ...	...	...	...	...	...	...	...	1	1	1	
Croup ...	3	...	...	3	...	...	...	...	...	...	
Fever } Typhus	...	...	...	...	...	...	...	...	...	...	
} Enteric	...	...	...	...	...	...	...	...	...	...	
} Other continued	...	...	...	...	...	...	...	...	...	...	
Epidemic Influenza ...	5	1	...	1	...	2	1	...	1	4	
Cholera ...	...	...	...	...	...	...	...	...	...	...	
Plague ...	...	...	...	...	...	...	...	...	...	...	
Diarrhœa ...	12	11	1	...	...	...	...	3	3	6	
Enteritis ...	...	...	...	...	...	...	...	...	...	...	
Puerperal fever ...	...	...	...	...	...	...	...	...	...	...	
Erysipelas ...	1	...	...	1	...	...	...	1	...	...	
Other septic diseases ...	...	...	...	...	...	...	...	...	...	...	
Phthisis ...	24	...	1	2	8	12	1	9	9	6	
Other tubercular disease ...	...	...	...	...	...	...	...	...	...	...	
Cancer, malignant disease ...	18	...	...	...	...	8	10	7	7	4	
Bronchitis ...	21	11	1	...	...	...	9	12	7	2	
Pneumonia ...	18	8	4	1	1	2	2	5	6	7	
Pleurisy ...	...	...	...	...	...	...	...	...	...	...	
Other diseases of respiratory organs ...	...	...	...	...	...	...	...	...	...	...	
Alcoholism ...	...	...	...	...	...	2	2	...	2	2	
Cirrhosis of liver ...	4	...	...	...	...	...	...	...	...	...	
Veneral diseases ...	...	...	...	...	...	...	...	...	...	...	
Premature birth ...	13	13	...	...	...	...	...	2	3	8	
Diseases and accidents of parturition ...	...	...	...	...	...	...	...	...	...	...	
Heart diseases... ...	33	1	...	1	2	13	16	12	15	6	
Accidents ...	12	...	1	4	2	4	1	3	2	7	
Suicides ...	1	...	...	...	...	...	...	1	...	...	
All other causes ...	141	31	9	0	3	30	68	49	46	46	
All causes ...	313	79	19	15	16	74	110	107	103	103	



## RAINFALL AT BRIGG.

1904

Month.	Inches, Brigg.	Rainy Days.
January ... ..	1'47	19
February ... ..	2'85	23
March ... ..	1'68	22
April ... ..	1'15	23
May ... ..	1'79	15
June ... ..	0'57	7
July ... ..	4'06	13
August ... ..	4'13	18
September ... ..	2'10	13
October... ..	0'97	15
November ... ..	1'38	17
December ... ..	1'56	19
Total ... ..	23'71	204

ALFRED ATKINSON, C.E.

BRIGG, JANUARY, 1905.

